

## 2009 TRAC Bridge Competition Checklist 7th & 8th Grade Drawbridge Competition

Please use this checklist to avoid common mistakes that lead to disqualifications. This list is not all-inclusive and is not a substitute for the official competition rules brochure. Please refer to the official competition rules provided in your bridge kit for a complete explanation of all eligibility requirements and design specifications.

- ☐ The balsa wood used to construct each drawbridge must be only ONE LAYER thick. At the joints, the balsa wood bridge may need to be more than one layer thick. These joints may not be any more than 1/8" thick. **Lamination is not permitted.**
- ☐ The materials provided are the ONLY materials to be used when building the bridges. The use of additional material is permitted for decorations or visual aids.
- ☐ Maximum clearance underneath the bridge may be no more than 2" with bridge closed.
- ☐ A block of wood 2"w x 4"h must be able to pass under the bridge while the bridge is open.
- ☐ A car that is 2"w x 1"h must be able to drive across the bridge while the bridge is closed.
- ☐ Length of the bridge must be 15".
- ☐ Drawbridge must have supports suitable for placement on Pitsco di2000 Structure Tester.
- ☐ The moveable span of the Drawbridge must be a minimum of 12 inches in length.
- ☐ When placed on the Pitsco di2000, the drawbridge can only make contact with the vertical supports of the Pitsco di2000.
- ☐ The vertical supports of the Pitsco di2000 will be placed 15 inches apart on center.
- ☐ No part of the drawbridge can make contact with any part of the Pitsco di2000 bridge tester that is located between the vertical supports of the Pitsco di2000.
- ☐ Here is a link for the Pitsco Structure Tester User's Guide.  
[http://catalog.pitsco.com/sharedimages/resources/UserGuide/57944\\_ug.pdf](http://catalog.pitsco.com/sharedimages/resources/UserGuide/57944_ug.pdf)